

Abstract

10 An ink jet printer includes a printhead control circuit that produces printhead
command signals based on data signals provided by the printer. A power circuit
actuates ink ejectors in response to the printhead command signals and includes a
plurality of compensation circuits. Each ink ejector is associated with a single
5 compensation circuit and each compensation circuit includes a number of switches
connected in parallel with each other. Each switch in a single compensation circuit is
connected to actuate a single ink ejector when the switch is turned on. The
compensation circuits adjust their internal resistance by turning on more or less
switches and thereby compensate for changing effective parasitic resistance of the
10 power lines.